

# 1394 and Digital TV



# 1394 is part of the digital TV transition

- Over 90 models of HDTV with 1394
- 1394 enables plug-and-play
- 1394 supports consumer recording rights
- But 1394 adoption is incomplete
  - HDTV support is good
  - Set-top boxes and satellite receivers are lacking

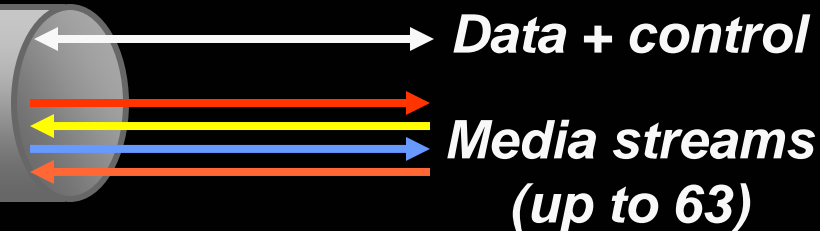


# Background: What is 1394?

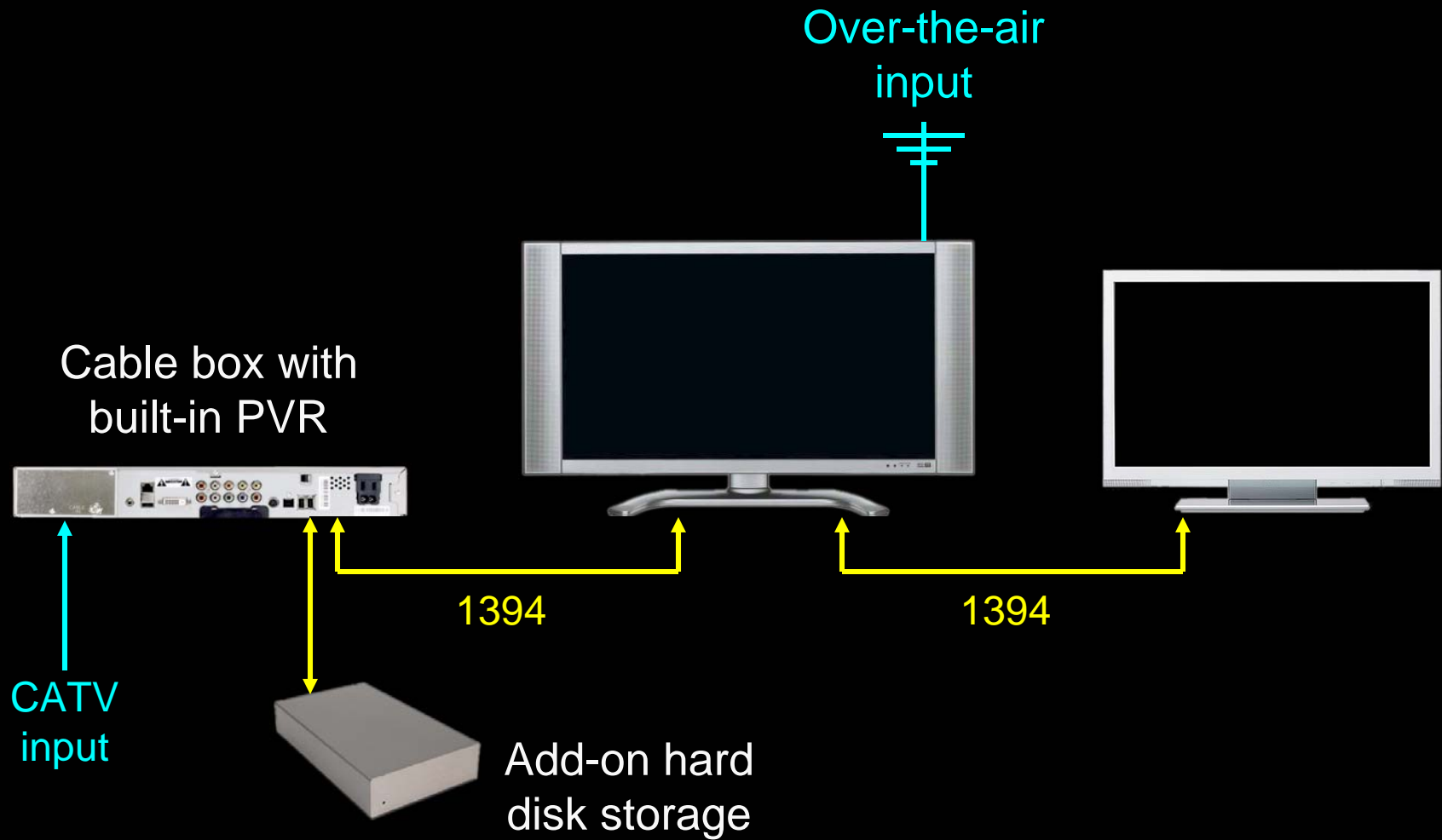
- A high-speed digital connection
- IEEE standard
- Branded as FireWire and i.LINK



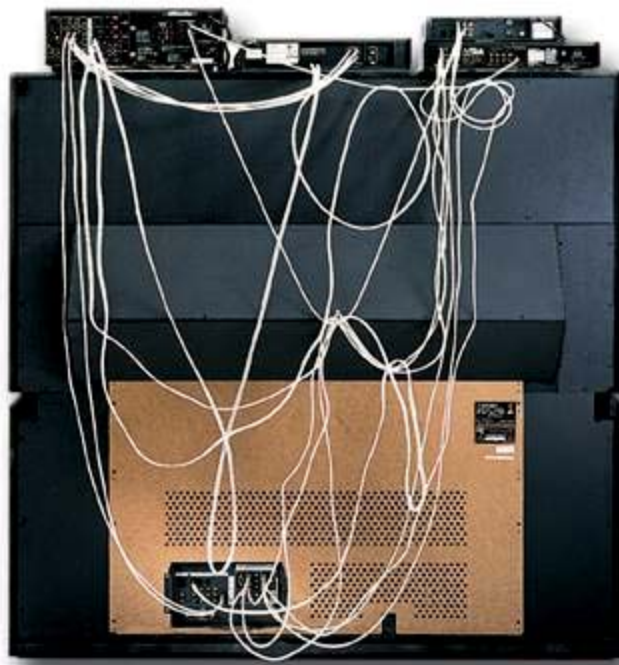
***One 1394 cable***



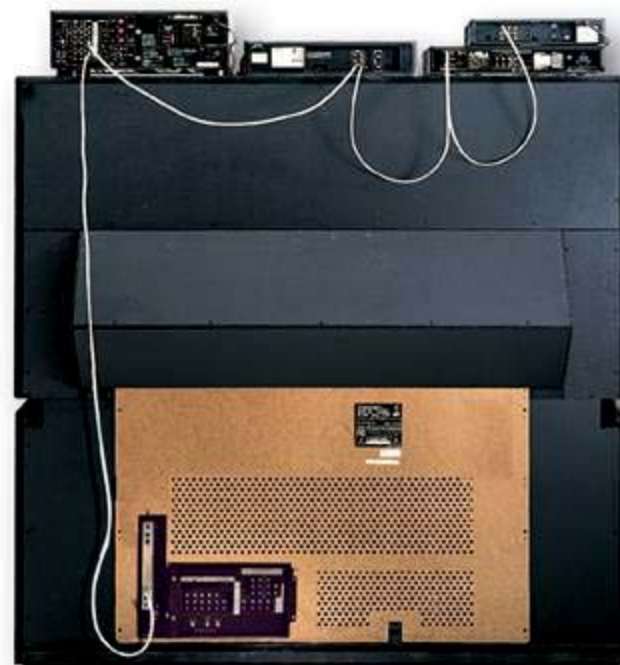
# Plug and Play with 1394



# Fewer cables with 1394



*without IEEE 1394*



*with IEEE 1394*

# Unfinished 1394 in Cable+DBS STBs

- STB 1394 is made output-only; limits consumers
  - Some won't encode analog signals onto 1394
  - Some disable 1394 completely due to EBS problem
- STB won't discover or use other devices
  - E.g. DVHS or PVR to time-shift
- STB won't expose resources (e.g. PVR, EPG)
- Consumer has lost out
  - Can't record digital
  - Can't make equipment work together
  - Locked out of 1394 completely in many markets

# Conclusion - What to do

- Require Cable+DBS STB makers and operators to support **fully functional** 1394
  - Restore consumer rights and abilities
  - Support digital TV transition
- 1394 TA can provide feature set guideline
  - Help makers navigate the available standards
  - Help test products for interoperability



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